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Model #: OMNI1000ISO

OmniSmart UPS with built-in isolation transformer - Provides battery support during blackouts, voltage regulation during brownouts and continuous line filtering with built-in isolation transformer

Highlights

- 1000VA line interactive UPS with built-in isolation transformer
- Maintains 120V nominal output over an input range of 81 to 143V
- Built-in USB communications port
- Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R (120V)
- 2 year product warranty

Description

Tripp Lite's OMNI1000ISO offers complete UPS protection with built-in line-interactive voltage regulation, intelligent monitoring and unattended shutdown capability. Built-in isolation transformer with Faraday shield offers full isolation and complete common mode noise rejection. 1000VA power-handling capacity supports point-of-sale applications, computers, internetworking equipment and home theater systems during commercial power failures. Line-interactive voltage regulation corrects brownouts as low as 81V and overvoltages as high as 143V back to normal 120V levels, reserving battery power for use during complete power failures. Built-in USB communications port works with PowerAlert Software and cabling to provide automatic unattended shutdown of connected network and PC applications.

Applications

- Ideal for providing a continuous clean grounding reference, voltage regulation and backup power for sensitive POS, networking and home-theater applications

Package Includes

- OMNI1000ISO UPS System
- USB cable
- Owner's manual with warranty information

Features

- 1000VA line-interactive UPS with Faraday-shielded, low-impedance isolation transformer delivers full isolation from potential damage and performance problems
- Provides immunity from EMI/RFI line noise in both normal and common modes. Delivers clean signal-reference ground, reducing data errors and audio/video distortion
- Automatic voltage regulation (AVR) automatically corrects incoming voltage to keep equipment working through low voltage (brownouts) as low as 81V and overvoltages as high as 143V without consuming battery power
- Supports loads up to 1000VA/700W
- Half-load runtime of 24 min. (500VA/350W); full load runtime of 8 min. (1000VA/700W)
- 5 diagnostic LEDs indicate AC present, on battery, voltage correction status, overload and battery low/replace
- Electrostatic discharge (ESD) resistance reduces potential static damage to connected electronics
- Built-in USB port and PowerAlert Software (free via web download) provide safe, unattended system shutdown during extended blackouts

- Built-in surge suppression (backed by $200,000 Ultimate Lifetime Insurance) safeguards connected equipment against damage
- SURGE VOLTAGE WITHSTAND CAPABILITY: ANSI/IEEE C62.41 Catagories A & B 6KV/200/500 amp 100Khz Ringwave and category B BiWave
- SURGE VOLTAGE ATTENUATION: N-G 2000:1, L-G 240:1, L-N 100:1
- INSERTION LOSS: 65 db N-G from 10Khz to 100Khz, 45 to 60 db L-G from 10Khz to 100Khz, 18 to 54 db L-N from 50Khz to 500 Khz
- 6 UPS-supported AC outlets; 6-ft. cord
- 2-year product warranty

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V
Frequency compatibility	60Hz
OUTPUT	
Output VA	1000
Output watts	700
Output nominal voltage	120V (line mode) / 115V (battery mode)
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-18%/+8%) / BATTERY MODE: 115V (+/-5%)
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz (+/-10%)
Outlet quantity / type	6 NEMA 5-15R
INPUT	
Maximum input amps	7.6A at 120V
Input connection type	NEMA 5-15P
Input cord length	6 ft./1.8m
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime	8 min. (700W)
Half load runtime	24 min. (350W)
DC system voltage	36V
Typical battery lifespan	4-6 years (typical)
Battery recharge rate	2-4 hours to 90%
Replacement Battery Cartridge	RBC53
VOLTAGE REGULATION	
Voltage regulation description	Line-interactive UPS systems offers two levels of brownout correction and one level of overvoltage correction to maintain usable, computer grade output
Overvoltage correction	Input voltages between 128-143V are reduced by 9%
Brownout correction	Input voltages between 96-107V are boosted by 10%
Severe brownout correction	Input voltages between 85-95V are boosted by 20%
LEDS ALARMS & SWITCHES	
Front panel LEDs	5 diagnostic LEDs indicate AC present, on battery, voltage correction status, overload and battery low/replace status

Alarms	Audible alarm indicates power failure conditions, silenceable via alarm cancel push-button switch. Once cancelled, alarm will resume when approximately 2 min. of battery operation remain (assuming full load)
Switches	2 front panel push-button switches for system enable, self-test, and alarm cancel functions
SURGE / NOISE SUPPRESSION	
AC surge suppression	SURGE VOLTAGE WITHSTAND CAPABILITY: ANSI/IEEE C62.41 Catagories A & B 6KV/200/500 amp 100Khz Ringwave and category B BiWave. SURGE VOLTAGE ATTENUATION: N-G 2000:1, L-G 240:1, L-N 100:1. INSERTION LOSS: 65 db N-G from 10Khz to 100Khz, 45 to 60 db L-G from
AC suppression response time	Instantaneous
Dataline suppression	-
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	40
Shipping weight (kg)	18
Shipping Dimensions (HWD/in)	18.25 x 12 x 13.75
Shipping Dimensions (HWD/cm)	46.4 x 30.5 x 35
Unit weight (lbs)	36.4
Unit weight (kg)	16.38
Unit Dimensions (HWD/in)	12.75 x 7.5 x 9.25
Unit Dimensions (HWD/cm)	32.4 x 19.05 x 23.5
Material of construction	PVC
Form factors supported	Tower
Cooling method	Fan
Battery Access	Battery access door
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Operating Temperature	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
COMMUNICATIONS	
Network monitoring port	USB
Software and cabling included	USB cable included; Power Alert software available via free download from www.tripplite.com
WatchDog compatibility	Yes, with optional WATCHDOGSW
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	2-4 milliseconds

Low voltage transfer to battery power	81V (resets to line power as voltage increases above 85V)
High voltage transfer to battery power	143V (resets to line power as voltage decreases to 139V)
SPECIAL FEATURES	
Cold Start	Inverter can be cold started to enable temporary AC output during a power failure
Appearance	Attractive all-black color scheme
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), Class A (Emissions), NOM (Mexico)
WARRANTY	
Product Warranty Period	2 years
Connected Equipment Coverage	$200,000
Optional Coverage	3-year and 5-year extended warranty coverage available (see Options and Accessories section listing)

Related Items

Extended Warranties		
WEXT3-OMNI	3-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS	Qty: [optional]
WEXT5-OMNI	5-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS	Qty: [optional]

Wallmount Bracket		
UPSWM	Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap)	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3196.

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